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EXAMINER

PWU, JEFFREY C

ART UNIT PAPER NUMBER

2143

DATE MAILED: 02/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/043,918	<b>Applicant(s)</b> PENDAKUR, RAMESH	
	<b>Examiner</b> Jeffrey Pwu	<b>Art Unit</b> 2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>3/7/02; 8/4/03</u> | 6) <input type="checkbox"/> Other: ____.  |

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-30 are rejected under 35 U.S.C. 102(e) as being unpatentable over Guheen et al. (U.S. 6,519,571).

Guheen et al. disclose claims:

1. A method comprising:

- receiving content from one or more content sources (2400, 2402);
- distributing metadata dictionary to a plurality of network nodes, wherein the metadata dictionary comprises content descriptors (col.219, lines 41-67);
- receiving a plurality of subscription information from a plurality of corresponding filtering network nodes of the plurality of network nodes, wherein the plurality of subscription information is provided by a plurality of corresponding users via a plurality of receiving network nodes of the plurality of network nodes (col.208, lines 1-60);
- aggregating the plurality of subscription information (1402, 1406);
- generating an aggregated content stream based on the aggregated subscription information, wherein the aggregated content stream comprises aggregated content (1402, 1406, 2300); and

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· distributing the aggregated content stream to the plurality of filtering network nodes (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432);

2. The method of claim 1, further comprising: generating a plurality of user profiles comprising the plurality of subscription information; associating the content descriptors with the plurality of user profiles; saving the user profiles; generating a plurality of personalized content streams based on the plurality of user profiles by dividing the aggregated content stream into the plurality of personalized content streams; and providing the plurality of personalized content streams to the plurality of receiving network nodes (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

3. The method of claim 2, wherein the generating the plurality of personalized content streams comprises filtering the aggregated content stream by comparing the aggregated content stream with the plurality of user profiles (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

4. The method of claim 1, wherein the preparing the aggregated content stream based on the aggregated subscription information further comprises allocating bandwidth based on the aggregated subscription information to maximize the bandwidth (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

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5. The method of claim 1, further comprising providing the plurality of personalized content streams to the plurality of corresponding users (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

6. A method comprising: receiving a plurality of subscription information from a plurality of receiving network nodes of a plurality of network nodes; generating a plurality of user profiles comprising the plurality of subscription information; associating content descriptors with the plurality of user profiles; saving the user profiles; generating a plurality of personalized content streams based on the plurality of user profiles by dividing an aggregated content stream into the plurality of personalized content streams; and providing the plurality of personalized content streams to the plurality of receiving network nodes (1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

7. The method of claim 6, further comprising: receiving the plurality of subscription information from the plurality of corresponding users; forwarding the plurality of subscription information upstream to a plurality of filtering network nodes of the plurality of network nodes; receiving the plurality of personalized content streams from the plurality of filtering network nodes; and providing the plurality of personalized content streams to the plurality of corresponding users, wherein the plurality of personalized content streams comprises content (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

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8. The method of claim 7, further comprising: generating the plurality of user profiles based on the plurality of subscription information; saving the plurality of user profiles (1402, 1406, 2300).

9. The method of claim 7, further comprising displaying the content (2311).

10. The method of claim 6, wherein the plurality of subscription information comprises a plurality of user preference data, wherein the plurality of user preference data comprises content preferred by the plurality of users (1402, 1406, 2300, 2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

11. The method of claim 6, wherein the subscription information comprises a plurality of content rating data, wherein the plurality of content rating data indicates interest-level of the plurality of the users relating to the content (1402, 1406, 2300, 2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

12. The method of claim 6, wherein the plurality of users comprises the following: a household and a community (see “user” or “users”).

13. The method of claim 12, wherein the community comprises the plurality of users based on the following: demographics, geographic locations, and head-ends (also see “user” or “users”).

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14. The method of claim 6, further comprising: distributing a metadata dictionary comprising the content descriptors; dynamically updating the metadata dictionary; and storing the metadata dictionary (106).

15. The method of claim 6, further comprising: receiving the content from a plurality of content sources, wherein the content sources comprise sources of web content, re-purposed web content, produced content, and external content; and storing the content (1402).

16. A content delivery system comprising: a content distributor to distribute downstream an aggregated content stream to a plurality of filtering hubs of a network, wherein the aggregated content stream is based on an aggregation a plurality of subscription information received from the plurality of filtering hubs; the plurality of filtering hubs to receive the plurality of subscription information from a plurality of receivers of the network, and filter the aggregated content stream to generate a plurality of personalized content streams based on a plurality of user profiles, wherein the plurality of user profiles is generated based on the plurality of subscription information, and provide the plurality of personalized content streams downstream to the plurality of receivers; and a plurality of receivers to receive the subscription information from a plurality of users, and provide the subscription information upstream to the plurality of the filtering hubs, and provide the plurality of personalized content streams downstream to the plurality of users (1402, 1406, 2300, 2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

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17. The content delivery system of claim 16, wherein the content distributor is further to distribute a metadata dictionary to a plurality of nodes of the network, wherein the metadata dictionary comprises metadata vocabulary (1402).

18. The content delivery system of claim 16, wherein the content distributor is further to receive content from one or more content sources (106).

19. The content delivery system of claim 16, wherein the content distributor comprises broadcasting networks, local broadcasters, cable providers and operators, satellite service provider, and other content providers ("The present invention provides a new kind of web architecture framework (called "WAF" in this document) that secures, administers, and audits electronic information use. WAF also features fundamentally important capabilities for managing content that travels "across" the "information highway." These capabilities comprise a rights protection solution that serves all electronic community members. These members include content creators and distributors, financial service providers, end-users, and others. WAF is the first general purpose, configurable, transaction control/rights protection solution for users of computers, other electronic appliances, networks, and the information highway.").

20. The content delivery system of claim 16, wherein the plurality of filtering hubs comprises head-ends, local broadcasters, local satellite stations, and filtering stations (1314).

21. The content delivery system of claim 16, wherein the plurality of receivers comprises



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multimedia devices, wherein the multimedia devices comprise content providing sub-system and content receiving sub-system (1402; Web Application Services – “Content Channels”

Download Capabilities, Push Technology Capabilities, Discussion Forum, FAQs, Chat Capabilities, Generate Coordinated/ Targeted Messages, Manage Email Receipt, Dynamic Rendering—).

22. The content delivery system of claim 21, wherein the content providing sub-system comprises content display system (1404; “Administrative & Miscellaneous”)

23. The content delivery system of claim 16, wherein the plurality of filtering hubs and the plurality of receivers may be logically and/or physically integrated (see “WAS”).

24. A machine-readable medium having stored thereon data representing sequences of instructions, the sequences of instructions which, when executed by a processor, cause the processor to: receive content from one or more content sources; distribute metadata dictionary to a plurality of network nodes, wherein the metadata dictionary comprises content descriptors; receive a plurality of subscription information from a plurality of corresponding filtering network nodes of the plurality of network nodes, wherein the plurality of subscription information is provided by a plurality of corresponding users via a plurality of receiving network nodes of the plurality of network nodes; aggregate the plurality of subscription information; generate an aggregated content stream based on the aggregated subscription information, wherein the aggregated content stream comprises aggregated content; and distribute the aggregated content

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stream to the plurality of filtering network nodes (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

25. The machine-readable medium of claim 24, wherein the sequences of instructions which, when executed by a processor, further cause the processor to: generate a plurality of user profiles comprising the plurality of subscription information; associate the content descriptors with the plurality of user profiles; save the user profiles; generate a plurality of personalized content streams based on the plurality of user profiles by dividing the aggregated content stream into the plurality of personalized content streams; and provide the plurality of personalized content streams to the plurality of receiving network nodes (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

26. The machine-readable medium of claim 25, wherein to generate the plurality of personalized content streams further cause the processor to filter the aggregated content stream by comparing the aggregated content stream with the plurality of user profiles (2202).

27. A machine-readable medium of claim 24, wherein the sequences of instructions which, when executed by a processor, further cause the processor to provide the plurality of personalized content streams to the plurality of corresponding users (2204).

28. A machine-readable medium having stored thereon data representing sequences of instructions, the sequences of instructions which, when executed by a processor, cause the

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processor to: receive a plurality of subscription information from a plurality of receiving network nodes of a plurality of network nodes; generate a plurality of user profiles comprising the plurality of subscription information; associate content descriptors with the plurality of user profiles; save the user profiles; generate a plurality of personalized content streams based on the plurality of user profiles by dividing an aggregated content stream into the plurality of personalized content streams; and provide the plurality of personalized content streams to the plurality of receiving network nodes (1402).

29. The machine-readable medium of claim 28, wherein the sequences of instructions which, when executed by a processor, further cause the processor to: receive the plurality of subscription information from the plurality of corresponding users; forward the plurality of subscription information upstream to a plurality of filtering network nodes of the plurality of network nodes; receive the plurality of personalized content streams from the plurality of filtering network nodes; and provide the plurality of personalized content streams to the plurality of corresponding users, wherein the plurality of personalized content streams comprises content (1402, 1406, 2300).

30. The machine-readable medium of claim 28, wherein the sequences of instructions which, when executed by a processor, further cause the processor to: generate the plurality of user profiles based on the plurality of subscription information; save the plurality of user profiles (1402, 1406, 2300).

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Pwu whose telephone number is 571 272-6798. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 17, 2005

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JEFFREY PWU  
PRIMARY EXAMINER